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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	į
10/658,257	09/10/2003	Joachim Thiel	242680US6 4014		
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET			EXAMINER		
			MANOHARAN, VIRGINIA		
ALEXANDRIA, VA 22314			ART UNIT	PAPER NUMBER	
			1764		
			-		
			NOTIFICATION DATE	DELIVERY MODE	
		•	05/04/2007	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com oblonpat@oblon.com jgardner@oblon.com

		Application No.	Annilia antia)				
Office Action Summary		Application No.	Applicant(s)				
		10/658,257	THIEL ET AL.				
		Examiner	Art Unit				
		Virginia Manoharan	1764				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status			·				
1)⊠	Responsive to communication(s) filed on 13 Fe	ebruary 2007.	•				
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	ion of Claims						
4)🖂	Claim(s) <u>1-15</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.							
	5) Claim(s) is/are allowed.						
6)⊠	Claim(s) <u>1,8,9,13 and 15</u> is/are rejected.						
7)🖂	Claim(s) <u>2-7, 10-12 and 14</u> is/are objected to.						
8)	Claim(s) are subject to restriction and/or	r election requirement.					
Applicati	ion Papers						
9) The specification is objected to by the Examiner.							
	•		Examiner.				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority (under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
2) Notice 3) Information	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate				

Application/Control Number: 10/658,257

Art Unit: 1764

DETAILED ACTION

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 8-9, 13 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsumoto et al (6,372,944) in view of Nestler et al (6,727,383).

The above references are applied for the same combined reasons as set forth at pages 3 and 4 of the previous Office Action.

Claims 2-7, 10-12 and 14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Applicants' arguments filed February 13, 2007 have been fully considered but they are not persuasive.

Applicants' arguments such as: "The applied art does not teach, disclose or suggest 1) at least "two" spray zones which are spatially successive; 2) condensation space and separating section are within one and the same column; 3) the cooling liquid is condensate taken from the column; and 4) the cooling liquid temperature has to become

Application/Control Number: 10/658,257

Art Unit: 1764

lower from spraying zone to spraying zone, as similarly recited in the independent claims" are not persuasive of patentability because of the following reasons:. However, and contrary to applicants' assertions, Nestler at col. 8, lines 17-30 discloses a from 95 to 34 °C temperature which would read on the argued "the cooling liquid temperature has to become lower from spraying zone to spraying zone" and would read on ".. the at least two spray zones". Furthermore, Nestler's disclosure at col. 4, lines 36-45 would at least be suggestive of the argued "the cooling liquid is condensate taken" from the column". Likewise, Matsumoto suggests the spraying of liquid reflux (corresponding to the claimed condensate) in four spraying nozzles. Note col. 3, lines 24-65 and col. 5, lines 26-51. See further Matsumoto at col. 1, lines 25-39; and at col. 3, lines 22-25 which are deemed to be at least suggestive of the argued "condensation" space and separating section are within one and the same column"

Absolute predictability is not a prerequisite for obviousness rejection All that is required to show obviousness is that the applicant make his claimed invention merely by applying, knowledge clearly present in the prior art. Section 103 requires us to presume full knowledge by the inventor of the prior art in the filed of his endeavor. See In re Winslow, 53 CCPA 1574, 1578, 365 F.2d 1017, 1020, 151 USPQ 48, 50-51 (1966). No commercial success is claimed, nor is any other factor indicating nonobviousness shown to exist.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Art Unit: 1764

Maller et al discloses a structure with two spray nozzles carrying a condensate as cooling fluid.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Virginia Manoharan whose telephone number is 571-272-1450.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola, can be reached on 571-272-1444.

The fax phone number for the organization where this application or proceeding is assigned 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

Application/Control Number: 10/658,257

Art Unit: 1764

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

VIRGINIA MANCHARIAN

ART UNIT 132 / 724

Page 5